

# Equity Research

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Tobacco

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# Industry Update

# Innovation Invigorates Inhalables

# The Cowen Insight

Innovation is driving renewed growth in the e-cig category. PAX's JUUL and MO's MarkTen XL look to be driving much of the category improvement, while RAI's Vuse is posting steady growth and NJOY's trends are recovering. While not driving a noticeable shift away from cigarettes, it is encouraging to see that better technology is again driving trial.

### Trial Remains High, Maybe This Round of Innovation Drives Better Retention?

For 10 consecutive months (through April 2016), we had been seeing notable declines in tracked-channel e-cig sales. However, the category has returned to growth in the last 2 months (in Nielsen). While that surely reflects the benefits of easier comparisons (which will persist), innovation also looks to be playing a role. While category retention remains low (~11.3%, according to RAI), new innovation could surely go a long way in terms of driving consumers to the vapor category. Indeed, in 2015, we saw a 100 bps improvement in retention rates, which was likely a function of national launches from RAI and MO. As companies race against the FDA clock (deadline for new product introductions is August 8), it is encouraging to see that new innovation is again driving trial in the category.

### Nicotine Salts: Packs a Punch

While much of the e-cig category is comprised of traditional liquid nicotine offerings, PAX Labs' JUUL utilizes nicotine salts technology. We recently met with management, and were impressed to learn that their research indicates that the nicotine uptake on JUUL is substantially better than for e-liquids that rely on free-base nicotine. While JUUL is super-premium priced, relative to traditional offerings (\$50 starter kit, \$4/cartomizer), after 1 year on the market, the product is now in 12,000 points of sale (with a ~7% ACV), with revenues up over 90% since the beginning of the year (sequentially). This good growth reflects notable trial and retention (which PAX believes is running 2x any competing brand), which we believe reflects the superior nicotine uptake delivered by this differentiated offering.

# **Opportunity to Win with Traditional E-Liquid**

Many of the smaller players in the e-cigarette category continue to face significant revenue pressure, with many posting consistent double-digit declines. RAI and MO (both with a \$10 starter kit) are bucking this trend, as both companies are seeing solid growth in e-cigs. For market share leader RAI, Vuse commands a 36% revenue share, posting dollar sales growth of 9% on a TTW basis. Retention looks to be quite good for RAI as more than 85% of sales are coming from cartridges. For MO, the company's updated MarkTen XL looks to be driving renewed growth for the brand family, as Nielsen data would indicate that sales have fully transitioned to this larger format offering. For NJOY, the company is targeting the value-end of the category with their Daily disposable e-cig (\$5.99). While revenues are still in decline, Daily has helped drive a material improvement.

# Mindful of Sustainability

We remain interested, but we think appropriately cautious, on e-cigs given the low levels of consumer retention that we see in the category. To be sure, current growth report is intended for vivien.azer@cowen.com. Unauthorized redistribution of this report is prohibited

is encouraging, but also reflects the benefits of expanded distribution. Indeed, we still remember well the market share growth that LO saw with their blu offering in 2012/2013 (which was followed by declines in market share once the brand reached full distribution). For our public companies, these businesses thankfully still remain small, and have not at all disrupted the health of the traditional tobacco category in the U.S., where we remain constructive, given: (1) higher minimum wages, (2) lower levels of unemployment, and (3) still accomodative gas prices.

# Innovation Invigorates Inhalables

In the highly-fragmented e-cig category, trends have been mixed and quite volatile. After 10 consecutive months of dollar sales declines, the category has finally returned to growth. While in part that likely reflects the benefits of easier comparisons (which will persist), we believe that new innovation is also contributing to these improved trends for the category, in traditional tobacco outlets. While category retention remains low, these better trends could result in better consumer conversion. Indeed, in 2015, we saw a 100 bps increase in category retention, which we attribute to the national launches of e-cig offerings from RAI (Vuse) and MO (MarkTen).



Source: The Nielsen Company and Cowen and Company

Note: Retention measured as reported exclusive vapor use relative to trial Source: Company Reports and Cowen and Company

To be sure, the absence of robust growth in Nielsen channels only tells part of the story, given that over 50% of category sales occur outside of measured channels. Indeed, on a total category basis, growth has looked notably better, although it has decelerated, reinforcing the need for better innovation.



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**JLI Ex. 2035, Page 3 of 13** ER JLI-NJOY-ITC1368-02013588 Innovation looks to be a key driver of the improved trends. In particular, PAX's JUUL has gained particular traction, as has MO's MarkTen XL, while RAI's Vuse continues to grow at a respectable clip (also likely a function of innovation). And, while still in decline, NJOY has also seen some improvement in trend, following the launch of their Daily product.

# PAX Labs (JUUL)

Last week we met with PAX Labs CEO Tyler Goldman, as well as CFO Tim Danaher. The company's e-cig, JUUL, was a key focus as management believes the product's innovative technology can help smokers convert to less harmful e-cigs. Unlike most e-cigs, JUUL uses nicotine salts, as opposed to free-base nicotine, which provides the consumer with a more satisfying nicotine experience, more similar to that of a traditional cigarette. This agrees with our own Cowen Vaping Survey, where JUUL boasted the highest conversion rates among listed brands. JUUL first launched in June of 2015 and is now in 12,000 outlets, including Chevron, Circle K, Speedway, and Sheetz (with a ~7% ACV). JUUL's results thus far have been impressive, particularly given its super-premium positioning as starter kits retail for \$50 and a four-pack refill pack sells for \$16.

#### Figure 5 JUUL's Nicotine Salts Provide Greater Consumer Satisfaction...





Source: Pax and Cowen and Company

Note: Defined as current use divided by trial use Source: Cowen and Company Next Gen Tobacco Survey, April 2016

Indeed, the company announced that dollar sales grew 94% in June 2016, compared to December 2015. While Nielsen data does not break-out JUUL, the SKUs are included within the cartridges segment. Using all "other" cartridges as a proxy for JUUL in our Nielsen data, these growth rates are readily apparent.





Note: PAX Reported JUUL growth is according to IRI data; Other E-Cigs within the cartridges segment is used to represent JUUL trends as the brand is not broken out within Nielsen; Nielsen growth rates are not based off exact quarterly dates Source: Company Reports, The Nielsen Company and Cowen and Company

JLI Ex. 2035, Page 4 of 13 ER JLI-NJOY-ITC1368-02013589 Since its launch in June 2015, trends have continued to improve, with growth accelerating each period this year. This has provided a nice lift for the e-cig category as a whole, including a ~200 bps benefit to category dollar sales growth in the most recent period. What is more, given JUUL's premium positioning, positive mix has also fueled better sales growth.



Source: The Nielsen Company and Cowen and Company

# NJOY

For NJOY, the company's new product, NJOY Daily, launched in September 2015 has seen success in its early days. While many competitors have shifted to rechargeables, NJOY Daily is a disposable cigarette retailing for \$5.99, with its value positioning likely appealing to consumers. As NJOY doubled down with its investment in the disposable segment (as NJOY Kings are still being produced), disposables now make up nearly 60% of NJOY sales. While NJOY dollar sales and volume had been in decline for some time, the launch of Daily has contributed to a notable easing in dollar sales declines, while volumes have returned to growth.



Source: The Nielsen Company and Cowen and Company

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JLI Ex. 2035, Page 5 of 13 JLI-NJOY-ITC1368-02013590

#### Altria (MarkTen)

For Altria, MarkTen XL has been a nice growth driver for the company, as it looks to have replaced their original offering, and driven incremental consumers into the brand. Since launching the product in test markets in April 2015, MarkTen XL now accounts for 98% of MO dollar sales, according to Nielsen. During that same time frame, MO has seen its dollar share of the category grow from ~7% to ~16%. MO management has said consumers have been more satisfied with MarkTen XL compared to earlier generation MarkTen products, given XL' bigger tank and longer battery life. As it is still early days for MarkTen XL, it is encouraging to see that kit sales remain a healthy contributor to MO's overall vapor sales.

Figure 12 MarkTen XL has Seemingly Replaced Earlier Gen Products...





Source: The Nielsen Company and Cowen and Company

Source: The Nielsen Company and Cowen and Company

#### **Reynolds** (Vuse)

For Vuse, the brand has held its share and remained the market leader, despite competition and innovation from competitors. More impressively, Vuse consumers seem to be continually using the product as cartridge contribution to retails sales is now 85%. To be sure, we've also seen innovation from Vuse. RAI expanded further within the e-cig category with the introduction of Vuse Connect, which features wifi capabilities that connect to an app which offers child locking capabilities, as well as usage and battery tracking. RAI also launched Vuse FOB, a palm sized e-cig with digital display. However these products are only sold online, and would therefore not be captured in Nielsen-tracked channels. In addition, RAI has two other products in the pipeline, including Vuse Port (a closed-system tank product) and Vuse Pro (a refillable cartridge system featuring a bigger battery).



Source: The Nielsen Company and Cowen and Company

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JLI Ex. 2035, Page 6 of 13 ER JLI-NJOY-ITC1368-02013591 While these trends are all encouraging, we would caution that this growth could simply reflect more trial, driven by distribution gains, as we have seen this phenomenon before. As a reminder, from 2012 to 2014, we saw blu's distribution increase approximately 4x to ~150,000, accompanied by meaningful share gains. However, as distribution growth slowed, so did share gains, which ultimately began to fall after the brand reached full retail penetration. While the sharp share declines were partially due to the national launches of Vuse and MarkTen, and we've since seen blu's brand share level off in the ~20% range, the company's share is down ~50% from 2013.



#### Source: Company Reports, The Nielsen Company and Cowen and Company



With the cut-off date for new innovation rapidly approaching, it sets up these four players as likely best positioned to consolidate market share. We look for companies across our coverage to launch any products ready for production ahead of the August 8<sup>th</sup> deadline. Admittedly, there are a lot of unknowns as it relates to how the category will innovate under FDA regulation. Costly FDA user and application fees will present a barrier for most small player. That said, even big players will likely have trouble getting products on the market in a timely fashion, as company's would need to go through the PMTA approval process, which the FDA anticipate will take 180 days, but could take much longer given the plethora of applications the FDA will need to sort through for products already on the market that do not meet the grandfather date.

Ticker	Rating	Price*	Price Target	Ticker	Rating	Price*	Price Target
MO	Market Perform	\$68.73	\$67.00	IMB.LN	Outperform	3,994.50p	4,390.00p
2914.JP	Market Perform	¥4,219.00	¥4,800.00	RAI	Outperform	\$51.83	\$57.00

\*As of 07/21/2016

# Valuation Methodology And Risks

### Valuation Methodology

#### Tobacco:

Our valuation methodology is primarily based on Price-to-Earnings (P/E), followed by Relative Price-to-Earnings (vs. the respective relative index) as well as Enterprise Value to EBITDA (EV/EBITDA). In cases where GAAP net income includes large, noncash items (e.g., restructuring charges or the resolution of disputed MSA), we may use non-GAAP EPS.

### **Investment Risks**

#### Tobacco:

Global tobacco demand is subject to a number of potential headwinds. Most notably, increased awareness of the risks associated with traditional tobacco use, and resultant regulatory actions (e.g., indoor smoking bans, enlarged textual or graphic warnings, and / or plain packaging) can negatively impact smoking incidence and/or per capita consumption, and thus industry volumes. What is more, the industry is also subject to risk from disruptive tax increases, which result in higher prices, and can also depress consumption. Further, while diminished, litigation risk also exists.

# Addendum

#### **Stocks Mentioned In Important Disclosures**

Ticker	Company Name	
MO	Altria Group	
IMB.LN	Imperial Brands	
2914.JP	Japan Tobacco	
RAI	Reynolds American	

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JLI Ex. 2035, Page 9 of 13 ER JLI-NJOY-ITC1368-02013594

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Altria Group Equity Research Rating History as of 07/20/2016

Closing Price Target Price

10

JLI Ex. 2035, Page 10 of 13 DER JLI-NJOY-ITC1368-02013595





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Legend for Price Chart:

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JLI Ex. 2035, Page 13 of 13 JLI-NJOY-ITC1368-02013598

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13